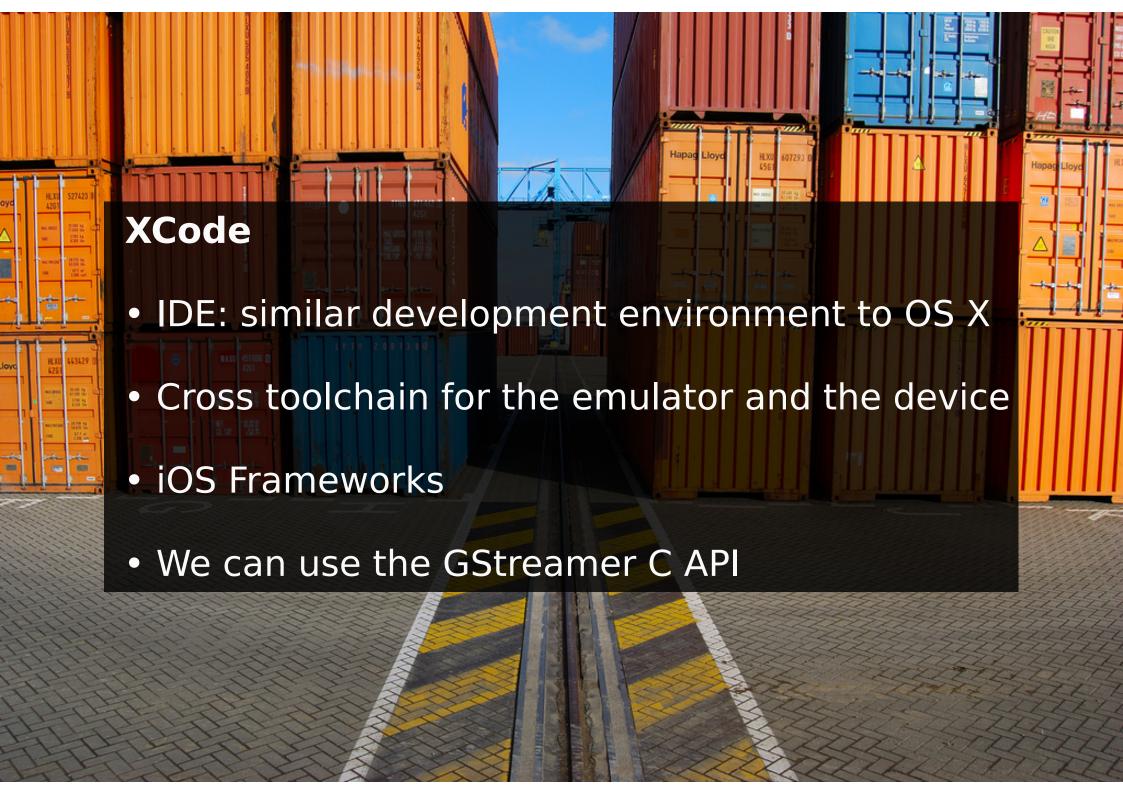
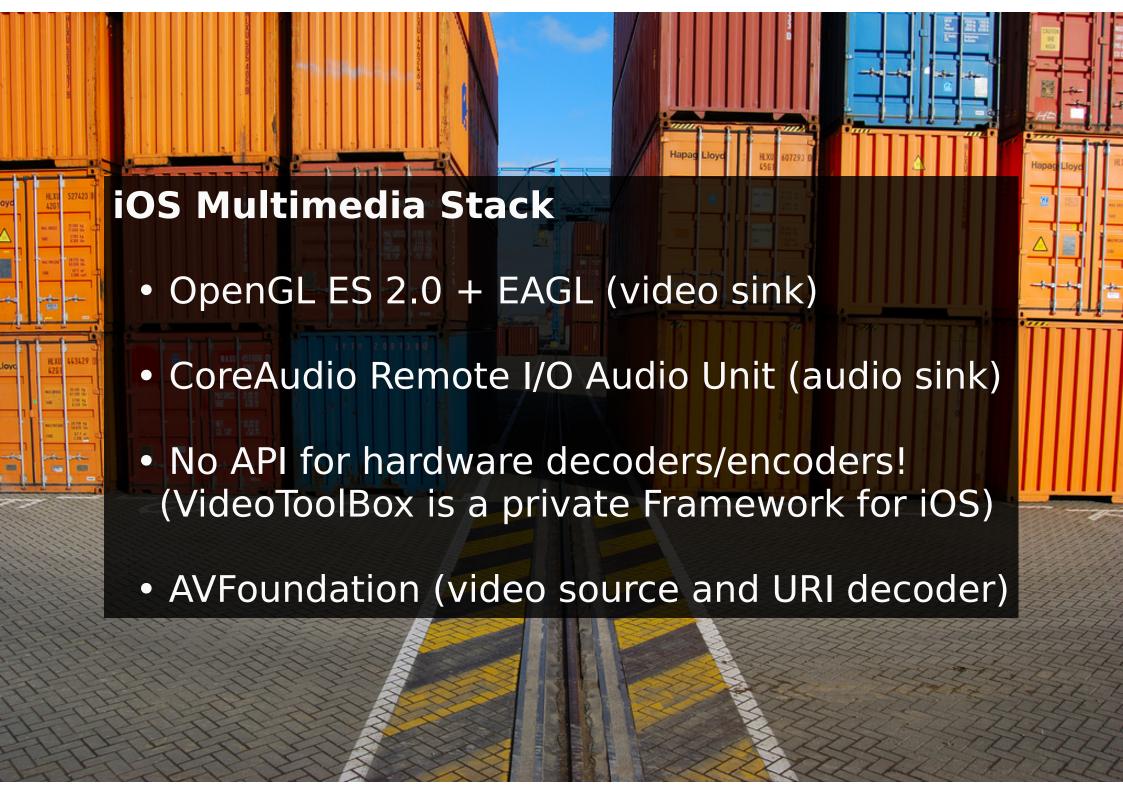
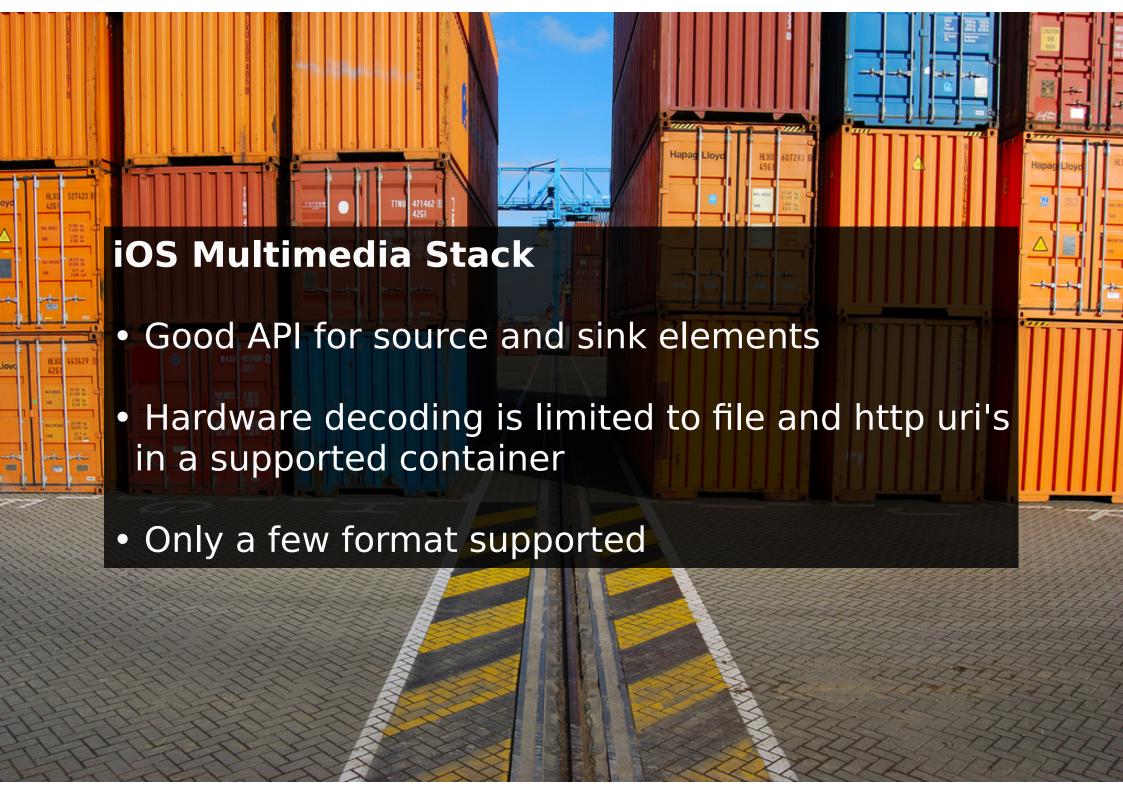
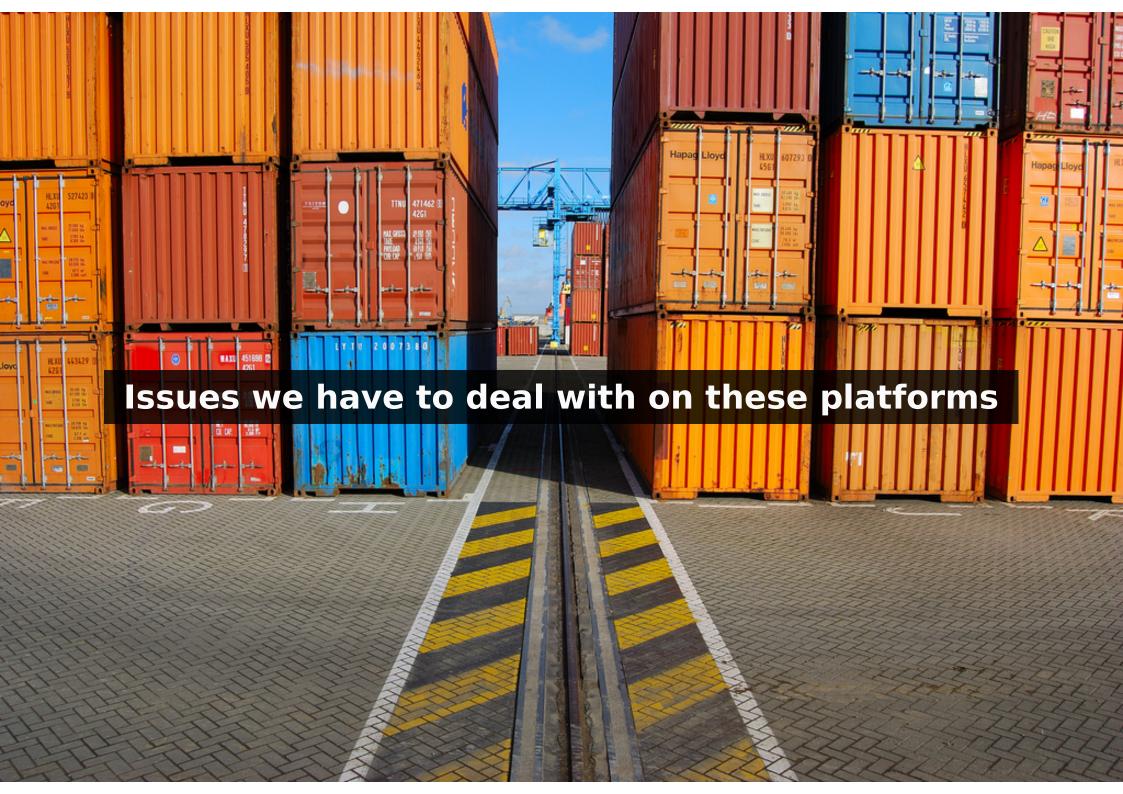


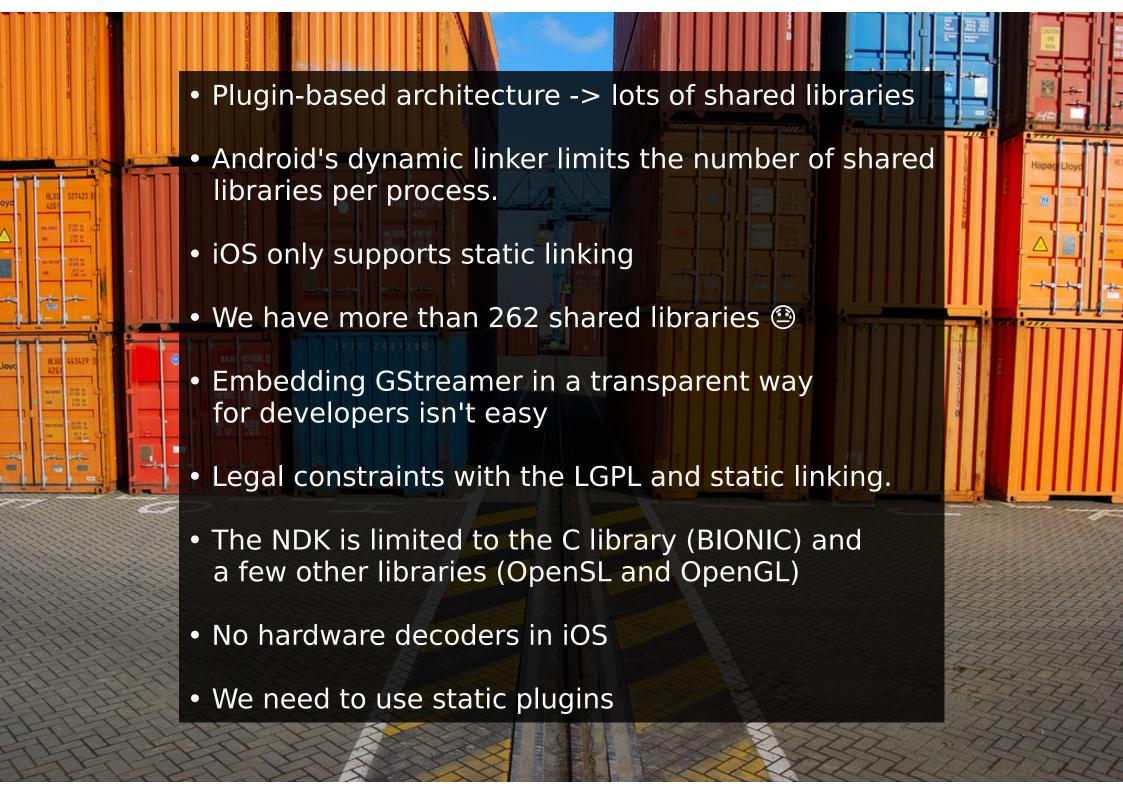
## iOS Some parts of the API are not available in the emulator Applications sandboxing is insane App Store: • 100\$ per developer... per year!!! You can't test your code in a real device without a developer account :( Deploying apps to the App store is a long process, make sure you have everything tested. Development in OS X only Devices are not cheap Their business model is clear: \$\$\$\$\$\$





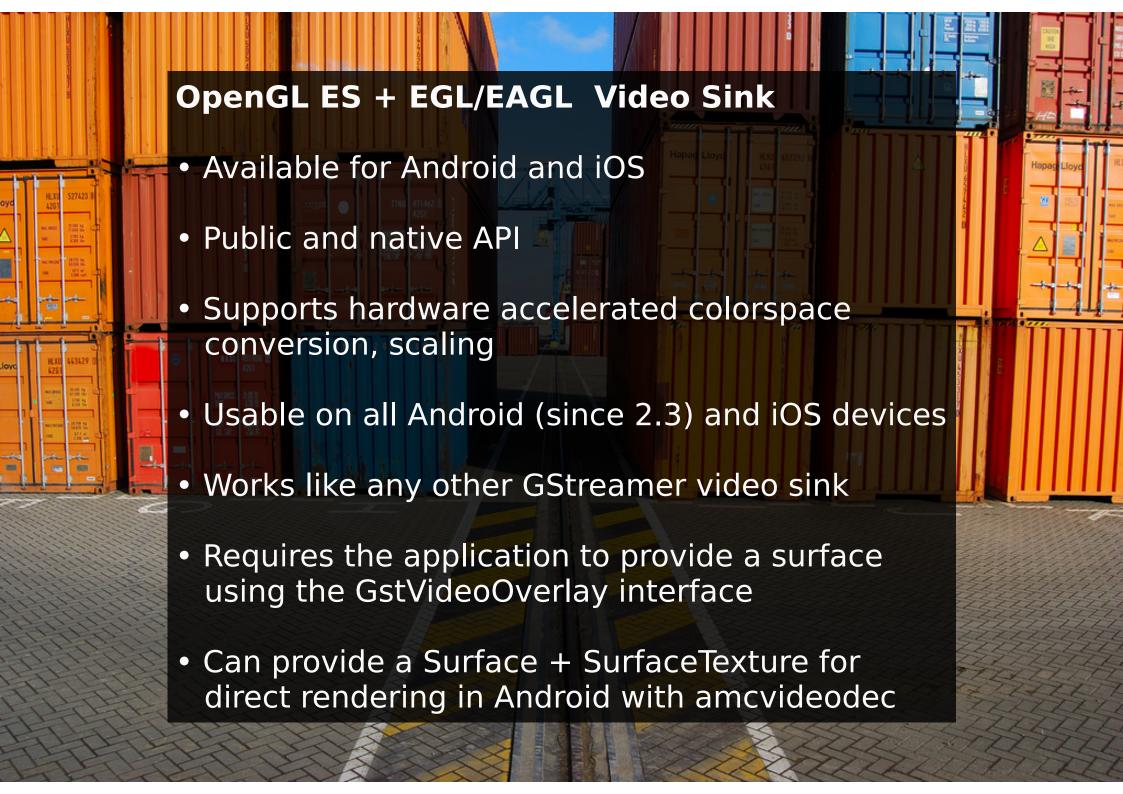






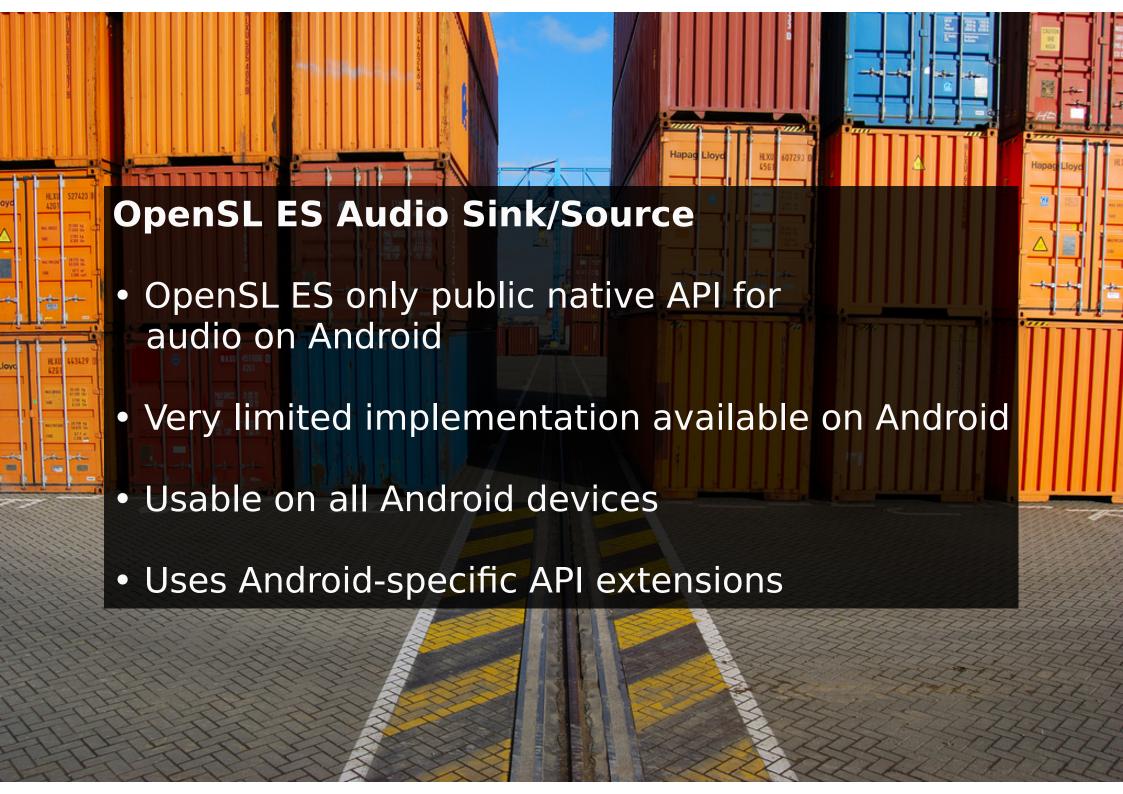


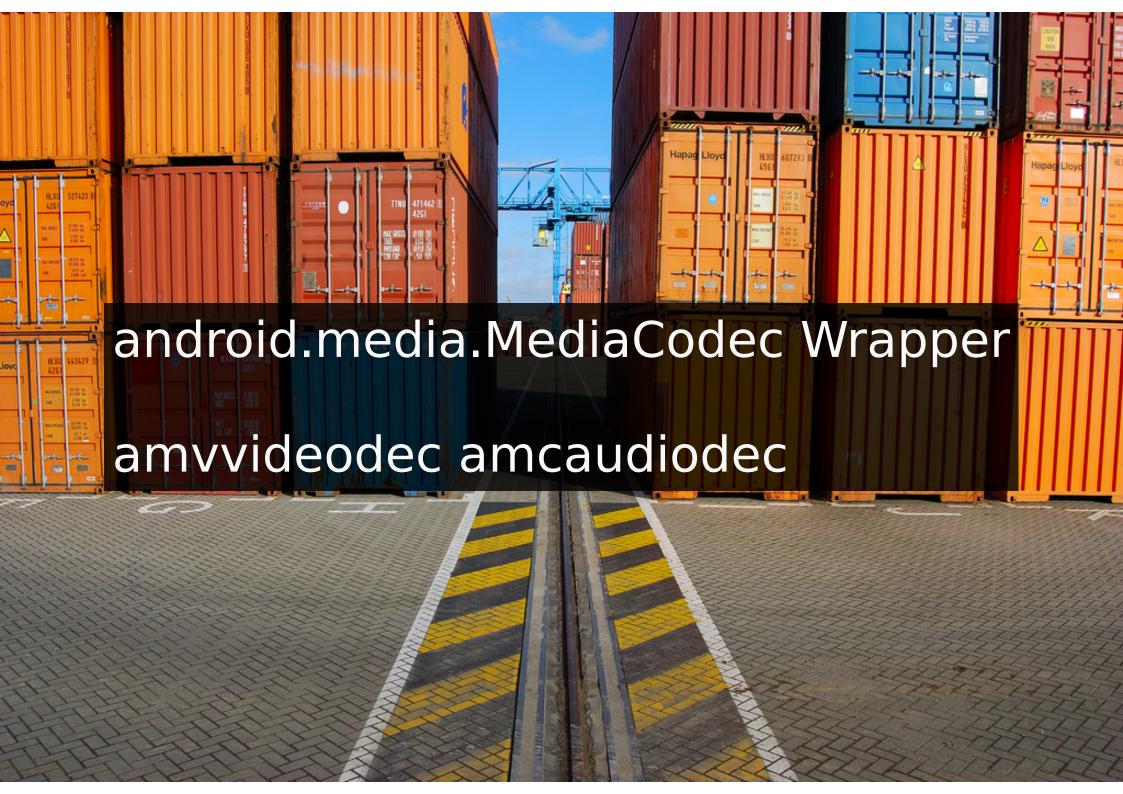


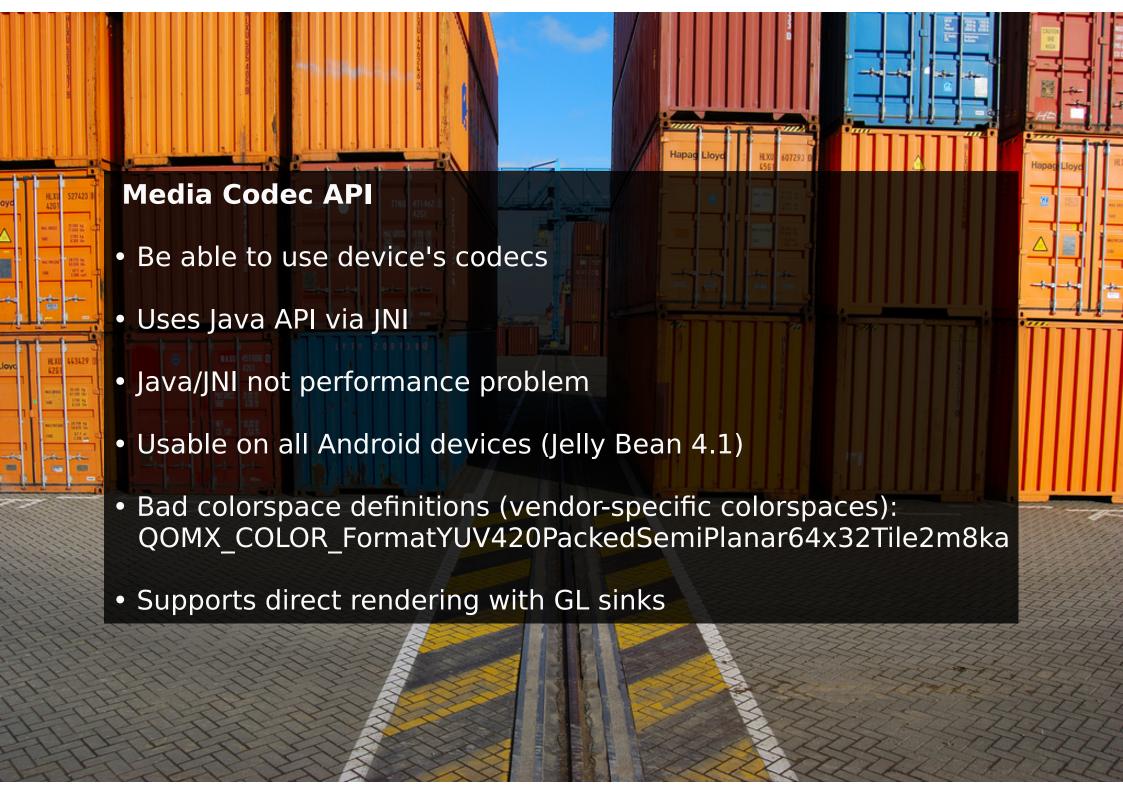


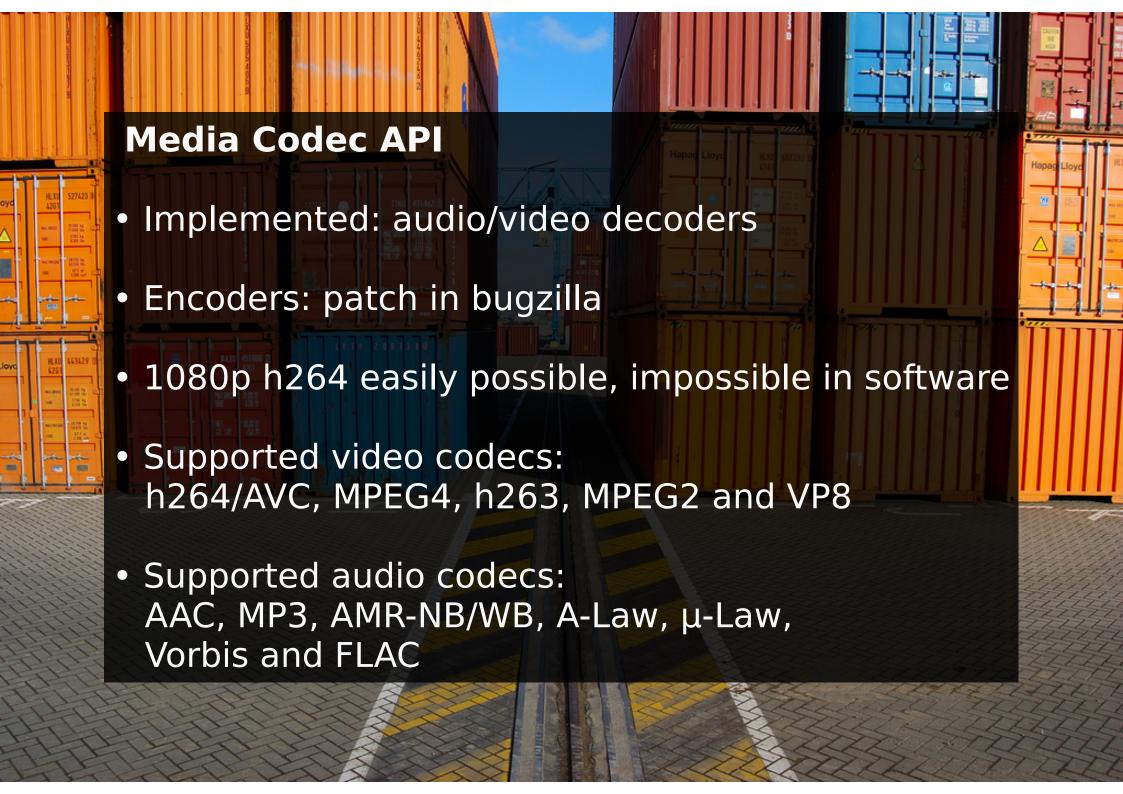


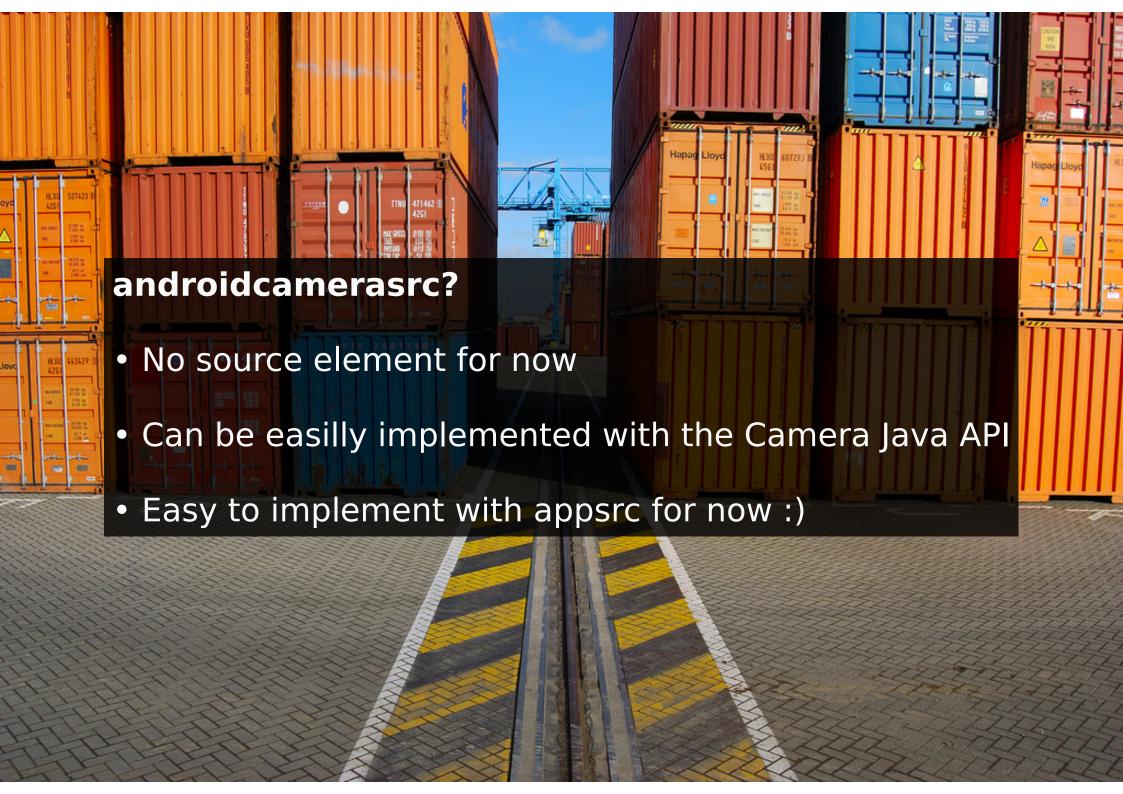


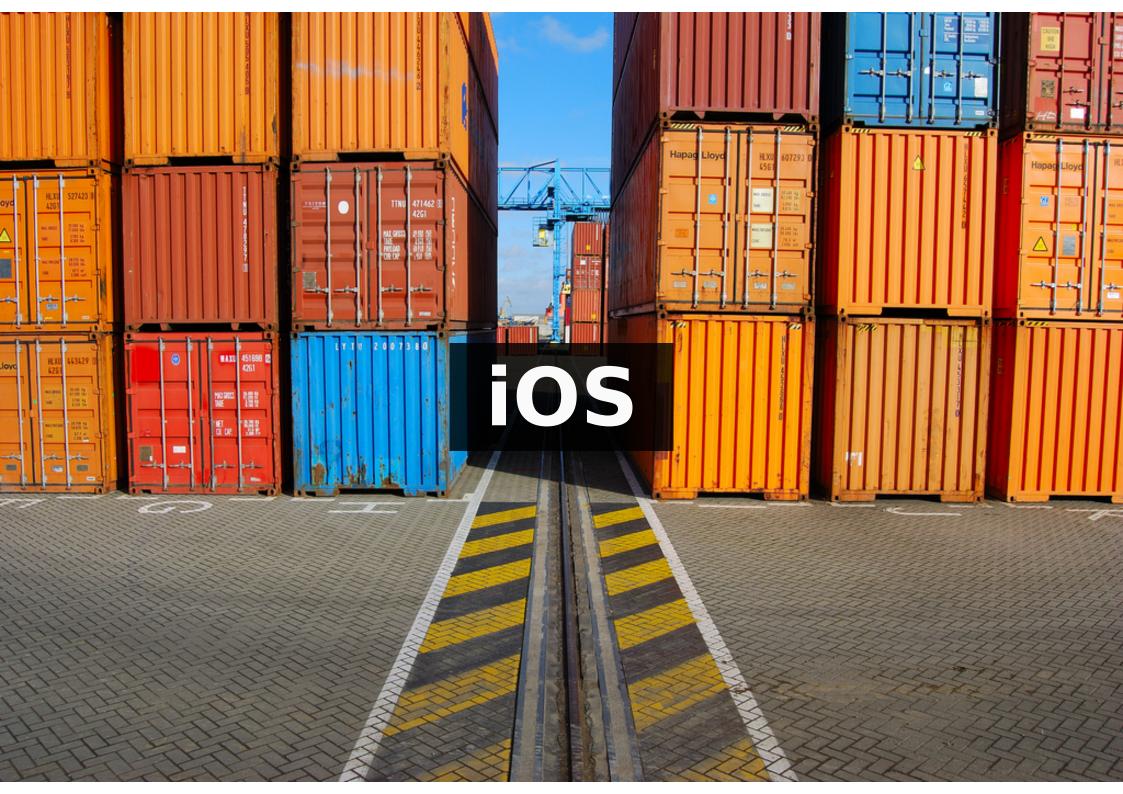


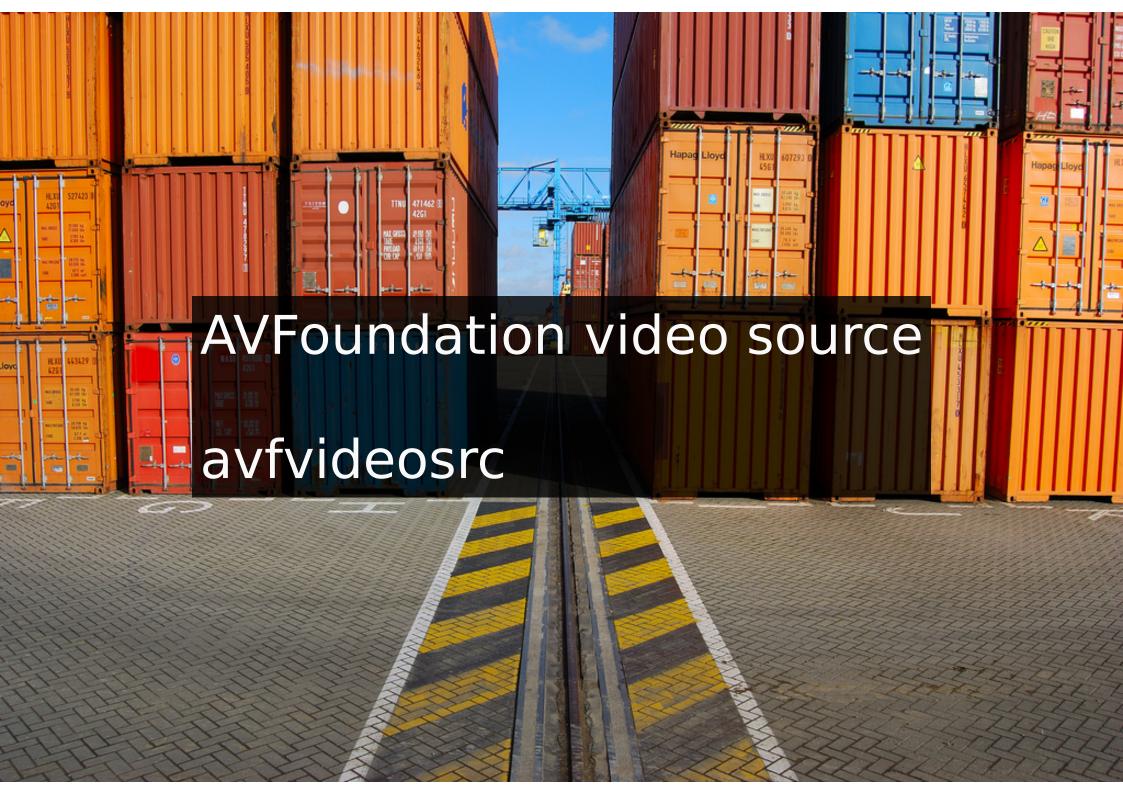


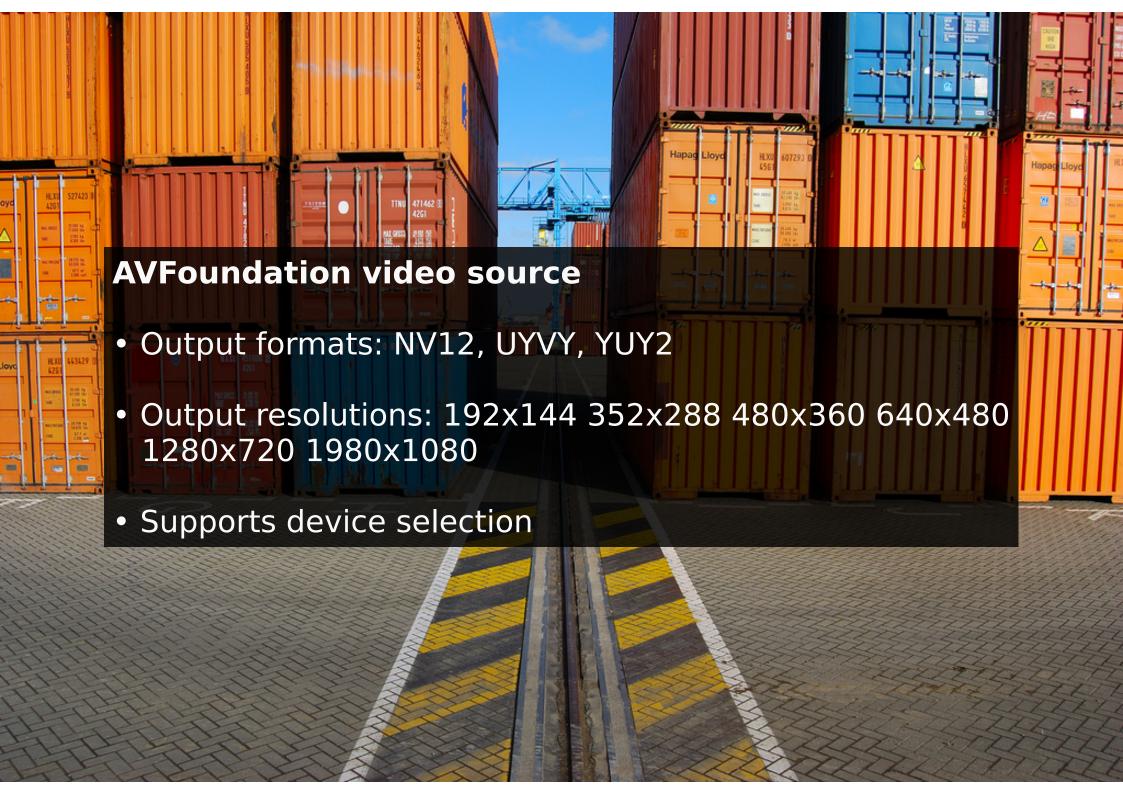




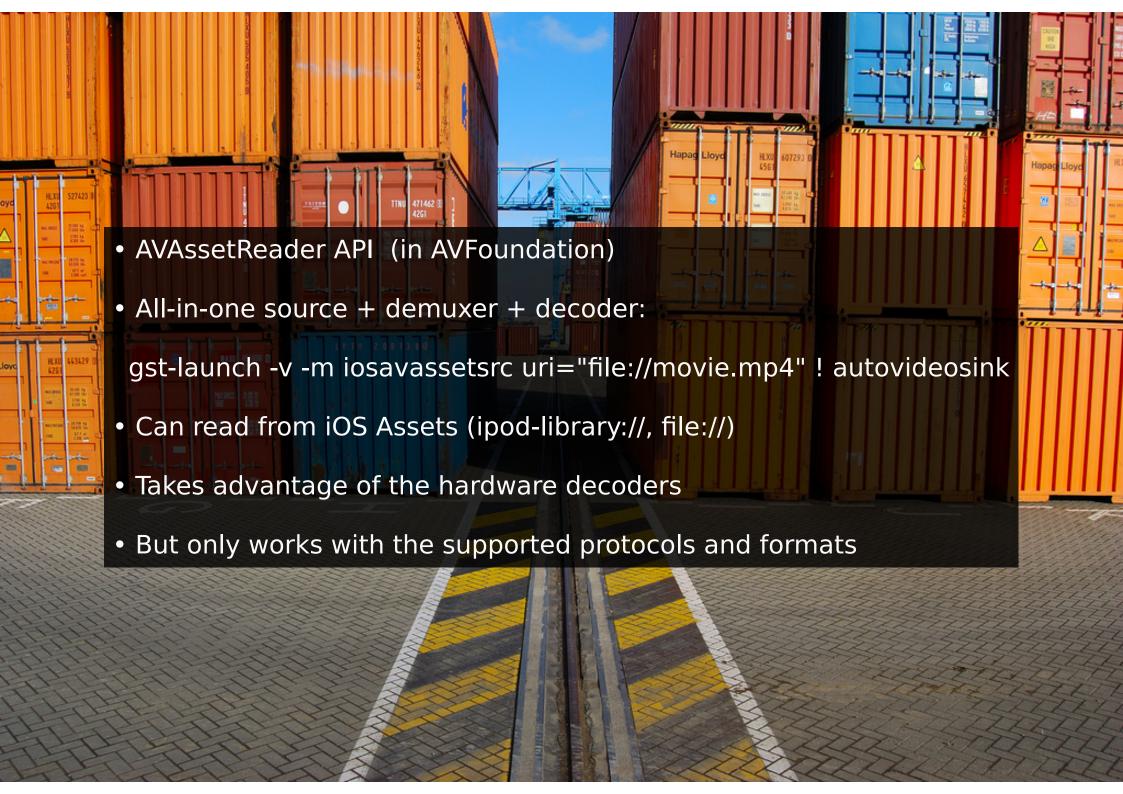




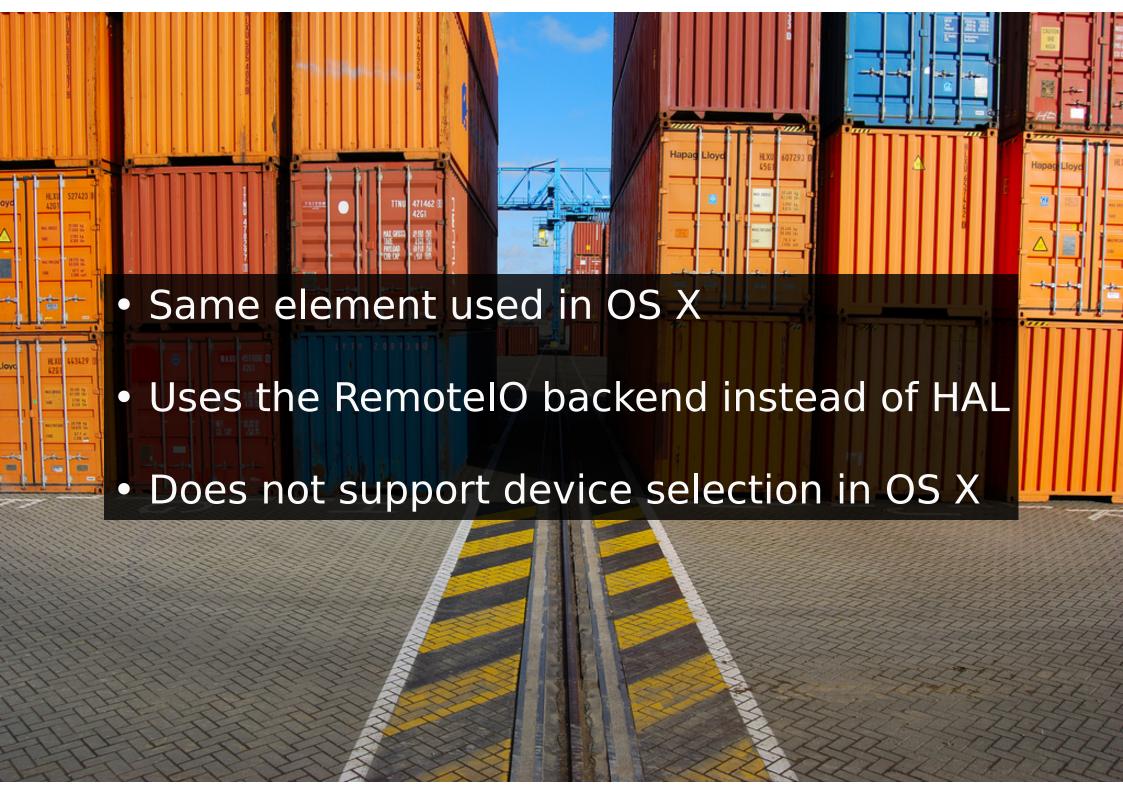






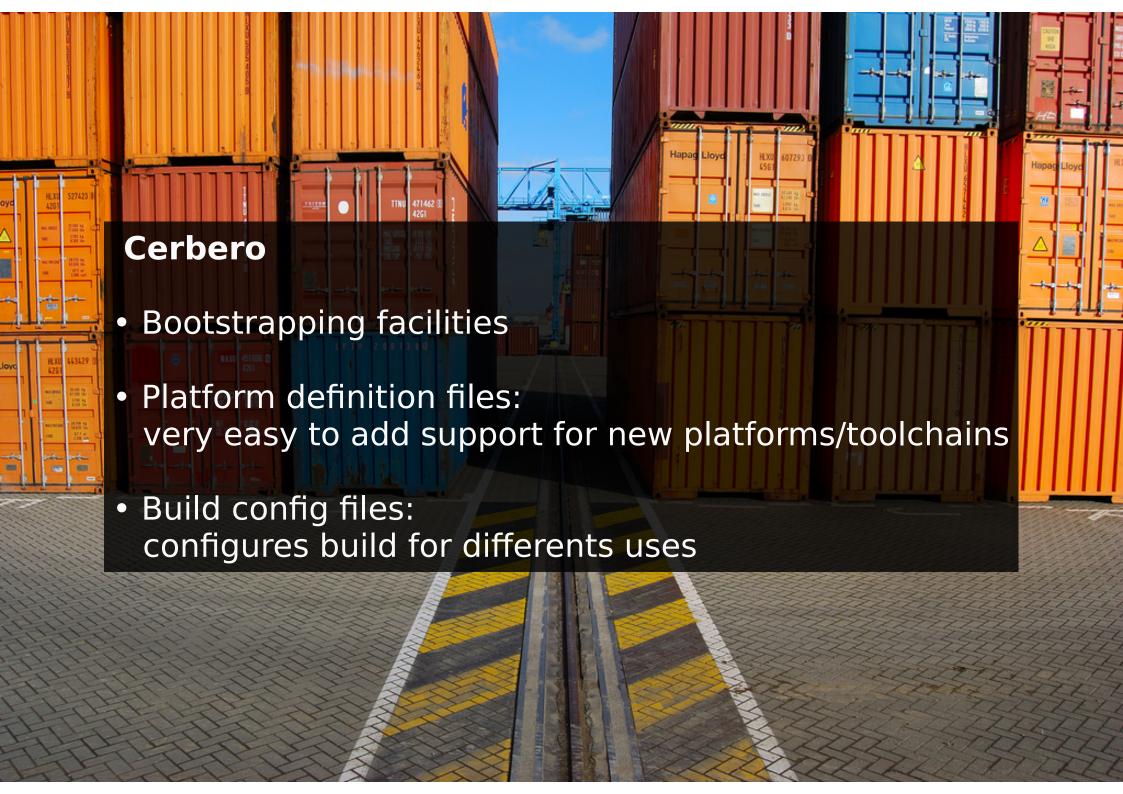


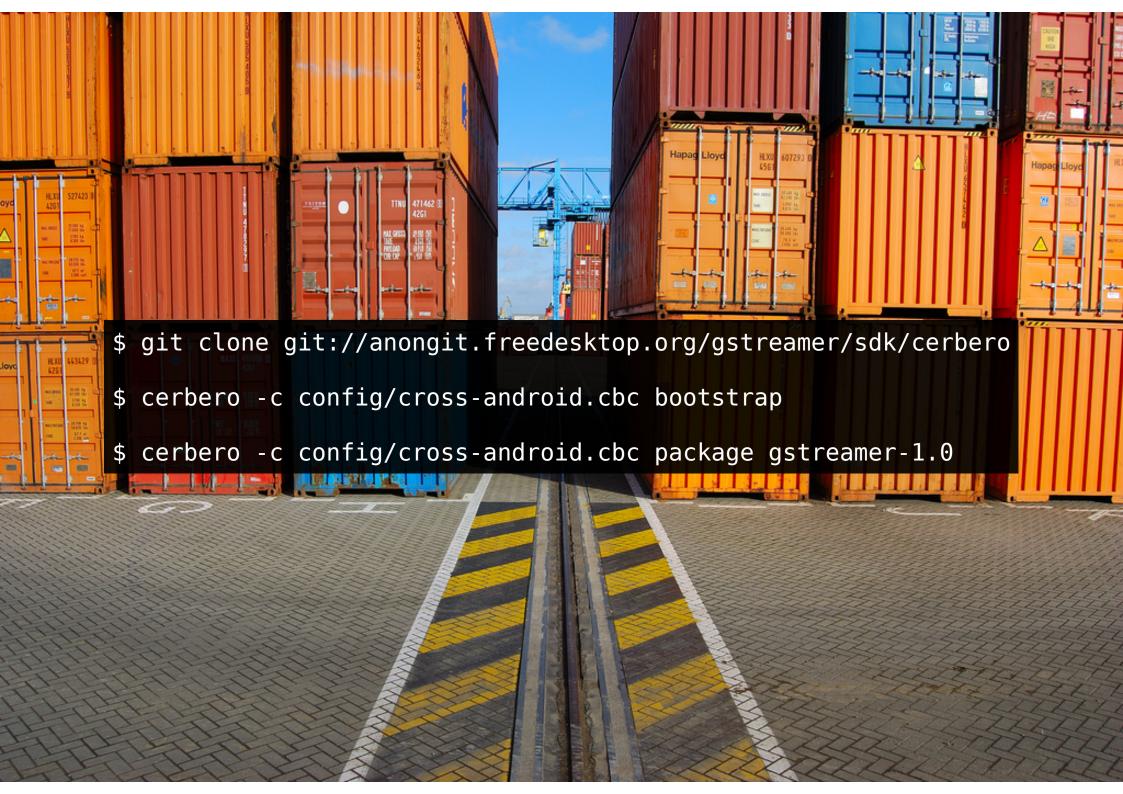


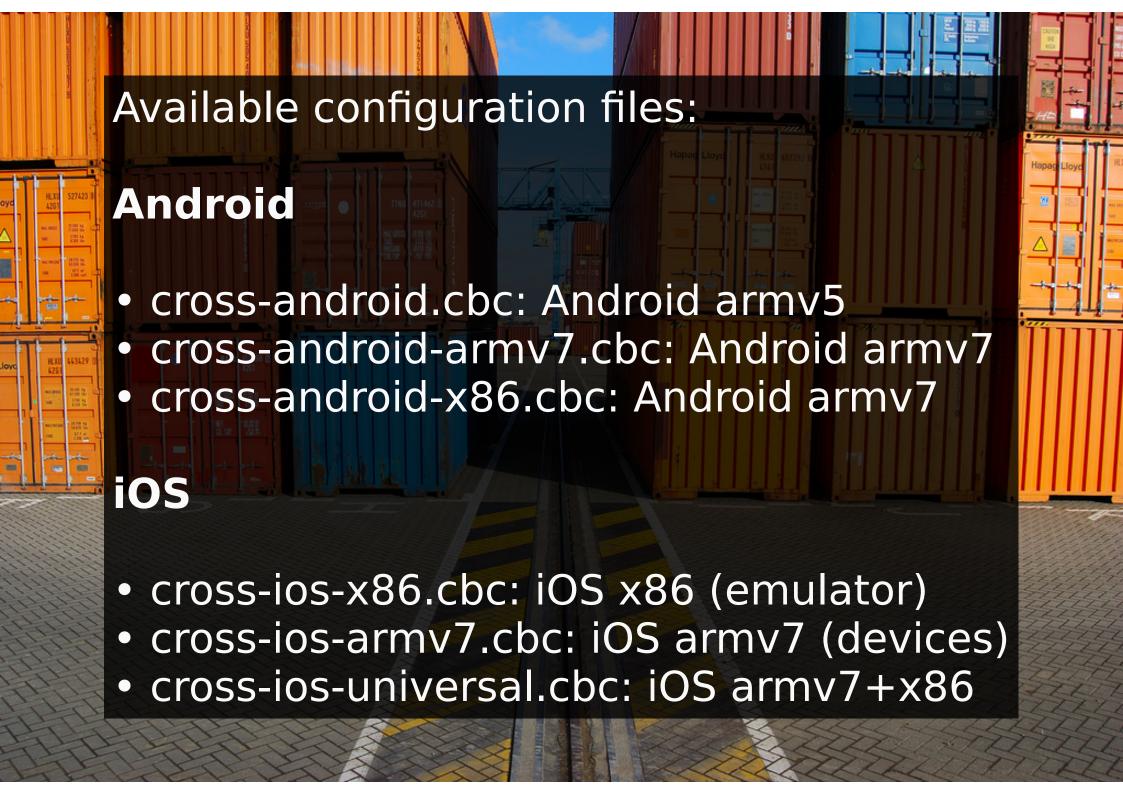


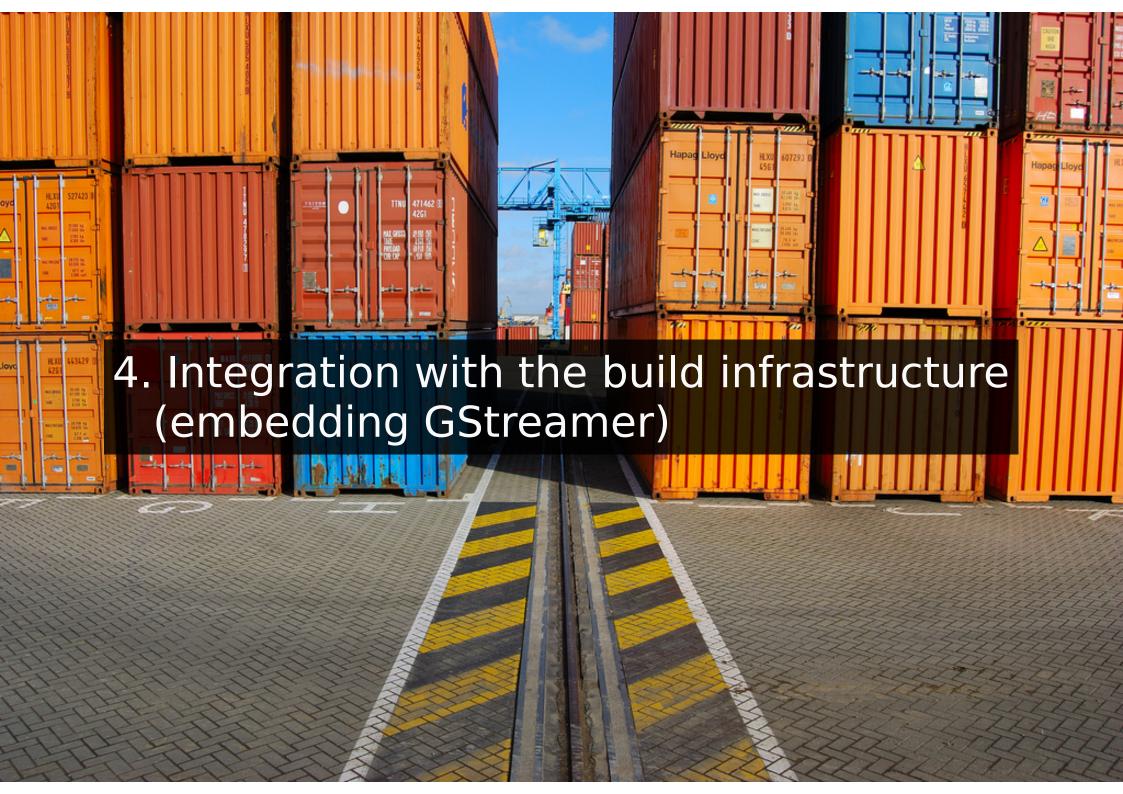


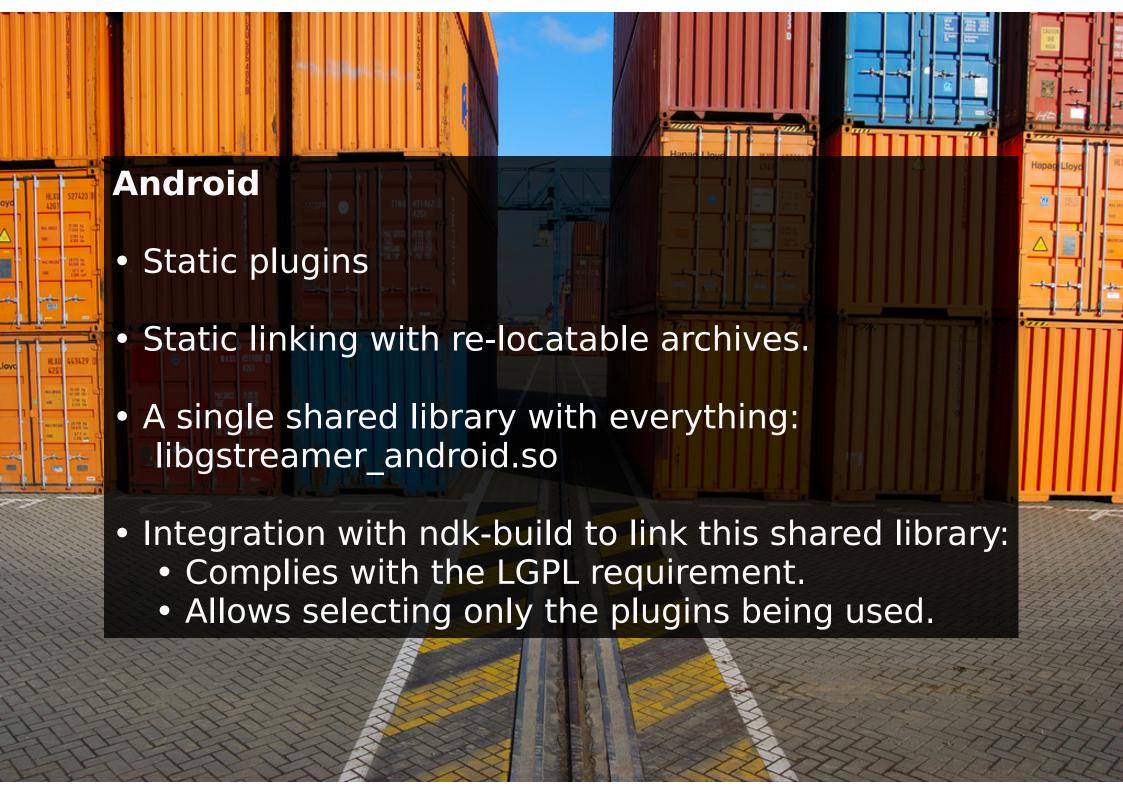
## Cerbero We use a build system named Cerbero: 3-headed dog which guards the doors of the Underwold (Linux, Windows, OS X) Same build system used in all platforms. Re-use of upstream packaging system. Native packaging: Windows .msi, OS X .pkg, RPM and DEB Easy to maintain Easy to add new packages or 3rd party plugins



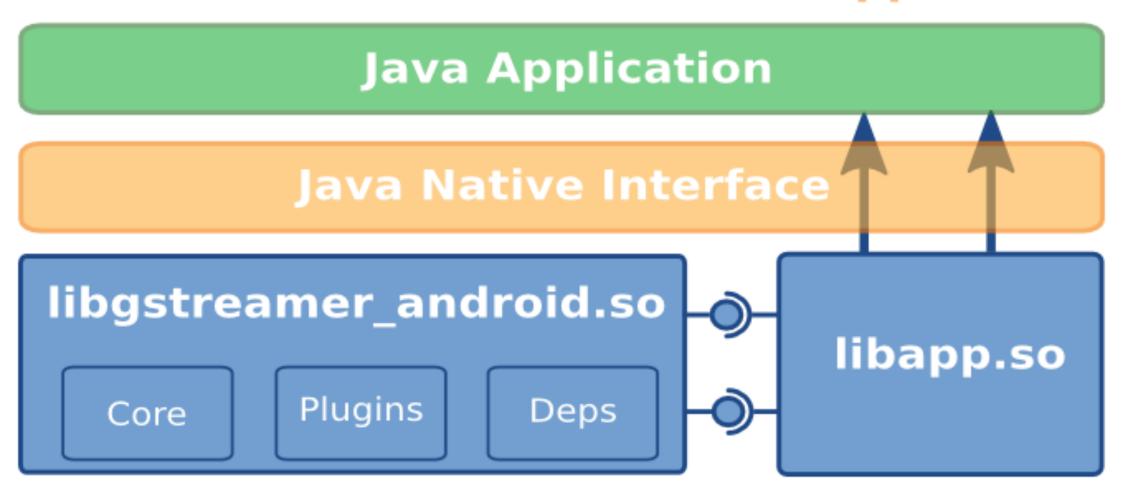




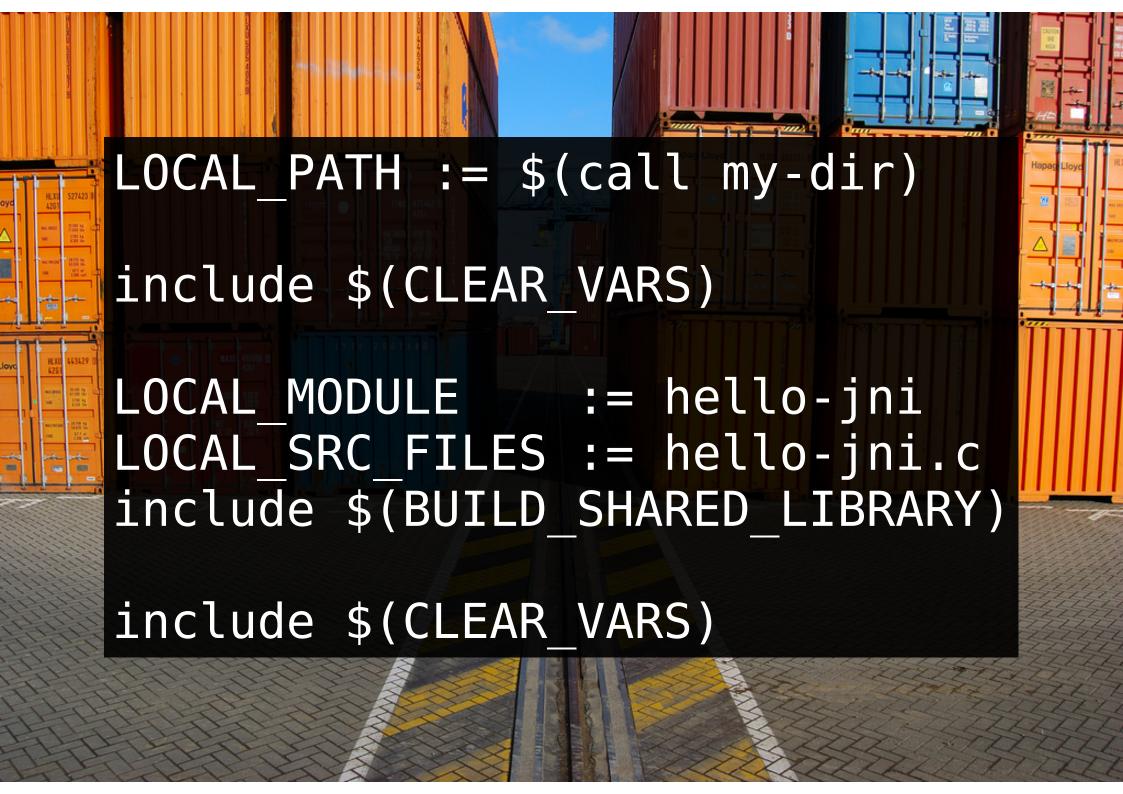




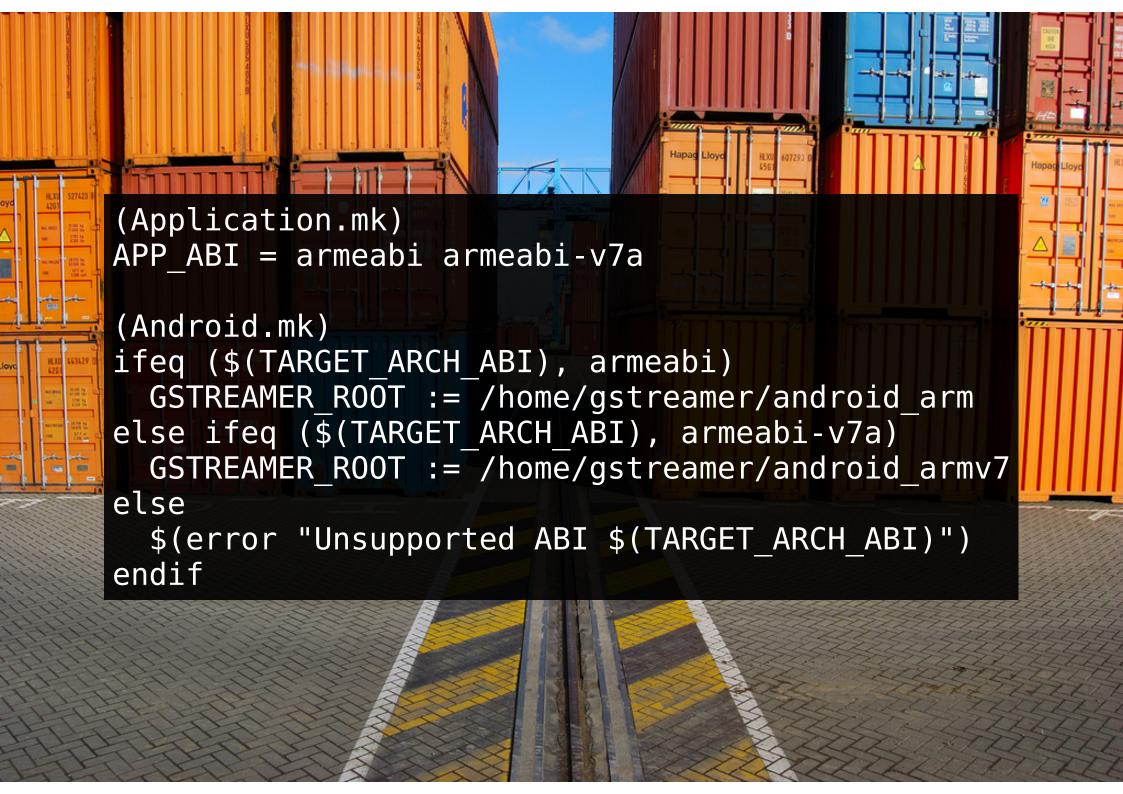
## **Android GStreamer application**

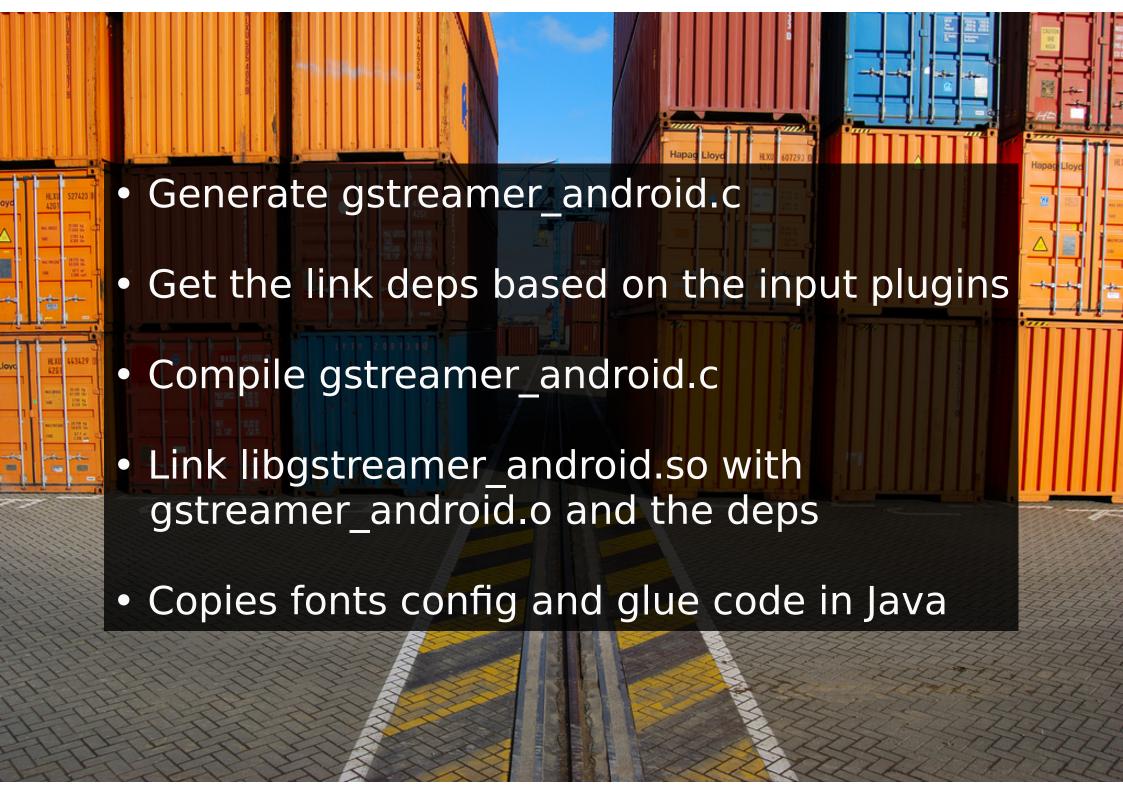




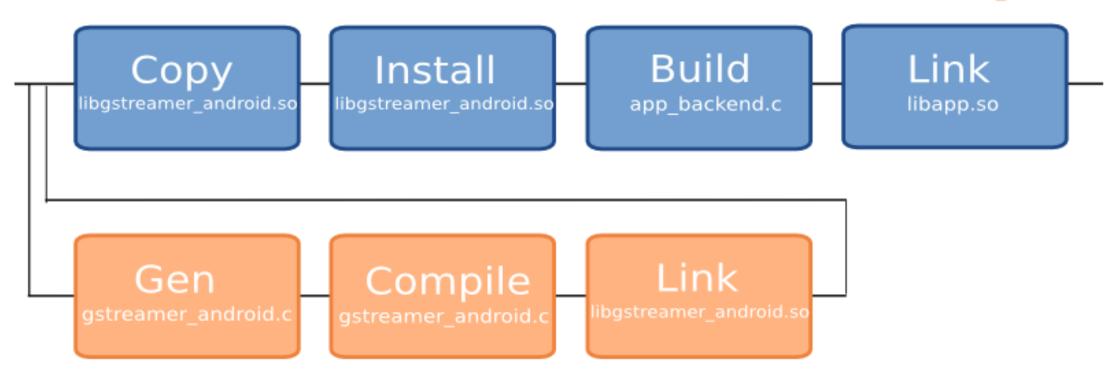


```
LOCAL PATH := $(call my-dir)
include $(CLEAR VARS)
LOCAL MODULE := hello-jni
LOCAL SRC FILES := hello-jni.c
LOCAL SHARED LIBRARIES := gstreamer android
include $(BUILD SHARED LIBRARY)
include $(CLEAR VARS)
include $(GSTREAMER NDK BUILD PATH)/plugins.mk
GSTREAMER ROOT := /home/cerbero/android arm
GSTREAMER PLUGINS = $(GSTREAMER PLUGINS CORE)
                     $(GSTREAMER PLUGINS CODECS)
GSTREAMER EXTRA DEPS := json-glib-1.0
include $(GSTREAMER NDK BUILD PATH)/gstreamer.mk
```

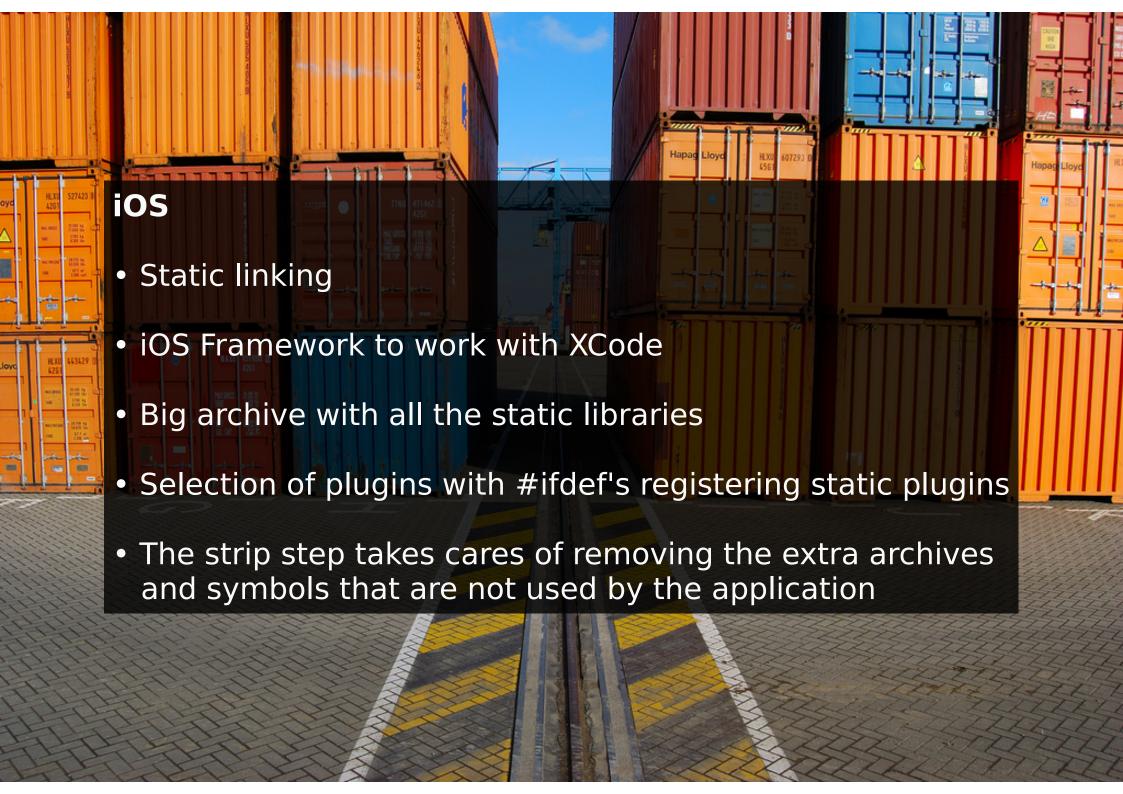


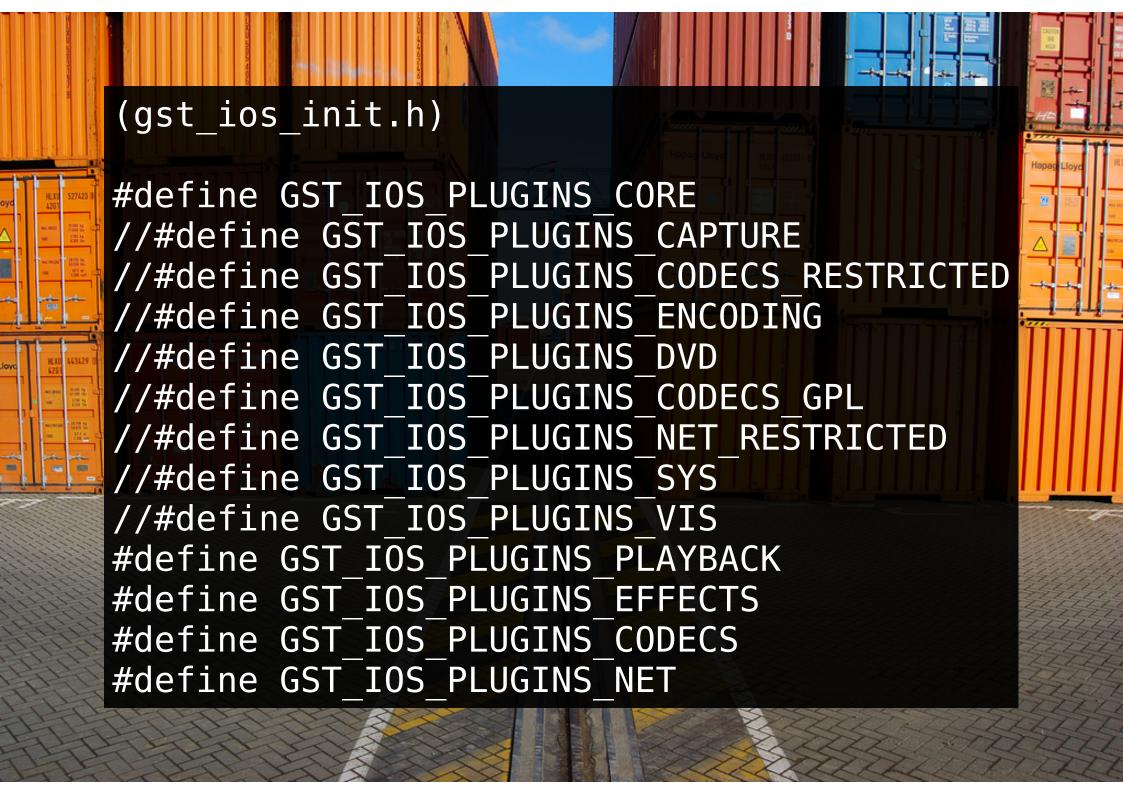


## ndk-build build steps



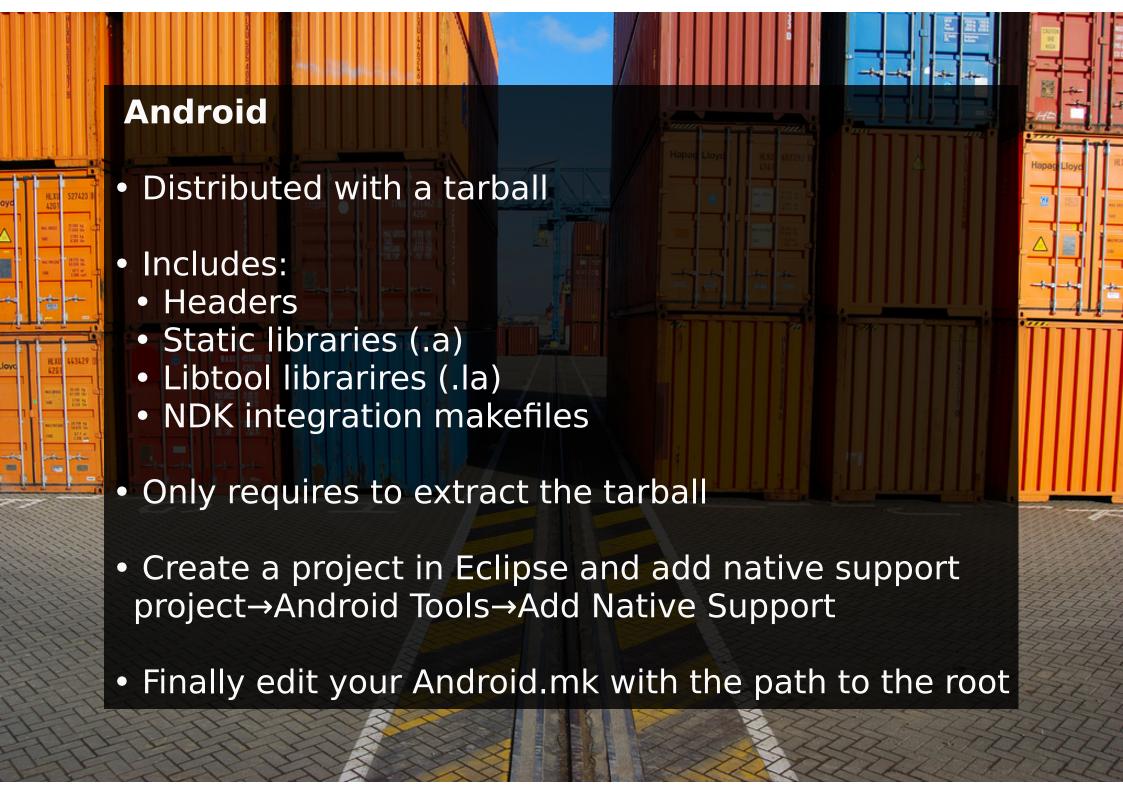






```
#include "gst ios init.h"
#if defined(GST IOS PLUGIN COREELEMENTS) | defined(GST IOS PLUGINS CORE)
  GST PLUGIN STATIC DECLARE(coreelements);
#endif
void
gst ios init (void)
  GstPluginFeature *plugin;
  GstRegistry *reg;
  NSString *resources = [[NSBundle mainBundle] resourcePath];
  NSString *tmp = NSTemporaryDirectory();
  const gchar *tmp dir = [tmp UTF8String];
  [ \dots ]
  g setenv ("TMP", tmp dir, TRUE);
  [\ldots]
  gst init (NULL, NULL);
  #if defined(GST IOS PLUGIN COREELEMENTS) || defined(GST IOS PLUGINS CORE)
    GST PLUGIN STATIC REGISTER(coreelements);
  #endif
  /* Lower the ranks of filesrc and giosrc so iosavassetsrc is
   * tried first in gst element make from uri() for file:// */
  reg = gst registry get default();
  plugin = gst registry lookup feature(reg, "filesrc");
  if (plugin)
    gst plugin feature set rank(plugin, GST RANK SECONDARY);
```





```
LOCAL PATH := $(call my-dir)
include $(CLEAR VARS)
LOCAL MODULE := hello-jni
LOCAL SRC FILES := hello-jni.c
LOCAL SHARED LIBRARIES := gstreamer android
include $(BUILD SHARED LIBRARY)
include $(CLEAR VARS)
include $(GSTREAMER NDK BUILD PATH)/plugins.mk
GSTREAMER ROOT := /home/cerbero/android arm
GSTREAMER PLUGINS = $(GSTREAMER PLUGINS CORE)
                     $(GSTREAMER PLUGINS CODECS)
GSTREAMER EXTRA DEPS := json-glib-1.0
include $(GSTREAMER NDK BUILD PATH)/gstreamer.mk
```

